

Scaled data based on original data using
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-State
Lighting Products

Test Report Prepared for

Cooper Lighting Solutions

(formerly Eaton)

Brand: METALUX

Report Number: P566157

Luminaire Tested: **4SNX-22SL-LN-UNV-L950-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P566157
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2204-622-6)
Test Lab: INNOVATION CENTER
Issue Date: 9/15/2022
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 4SNX-22SL-LN-UNV-L950-CD
Description: 4FT 2200 LUMEN, SNX FIXTURE WITH 5000K, 90CRI LEDS AND LN LENS
Light Source: -
Ballast/Driver: -

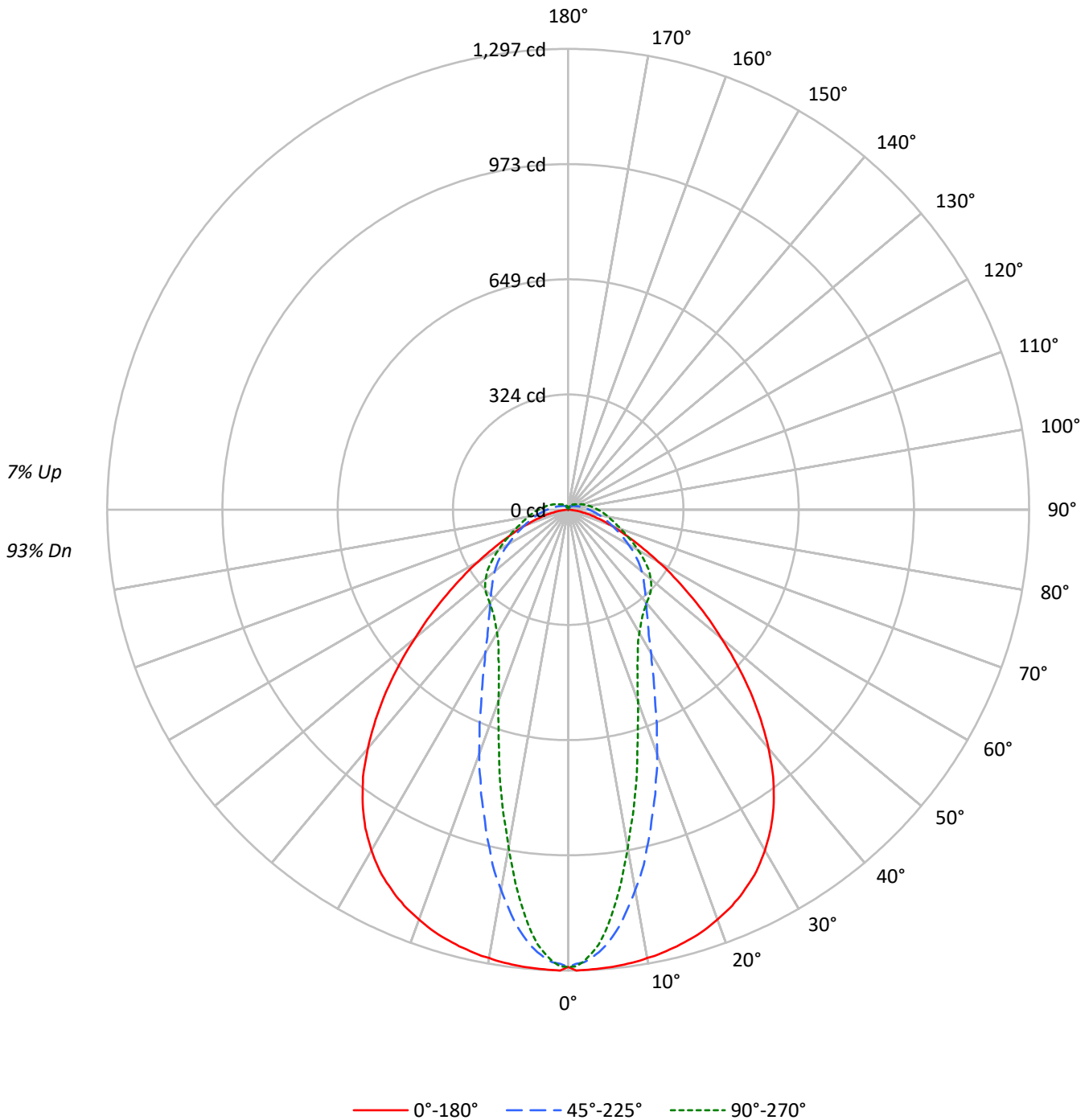
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2050.9 lumens
Efficiency: N/A
Efficacy: 148.6 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 0.56 / 0.78
Luminous Opening: Rectangular w/ Sides (W: 0.25' x L: 4' x H: 0.17')
CIE Type: Direct

Input Watts (W): 13.8
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT

TEST NUMBER: P566157
CATALOG NUMBER: 4SNX-22SL-LN-UNV-L950-CD

Luminous Intensity Polar Plot





TEST NUMBER: P566157

CATALOG NUMBER: 4SNX-22SL-LN-UNV-L950-CD

COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20					20					20					20					20	
RC	80					70					50					30					10	0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	0	
RCR																						
0	117	117	117	117	114	114	114	114	107	107	107	101	101	101	96	96	96	93				
1	107	103	99	95	104	100	96	93	94	91	88	89	87	85	85	83	81	78				
2	99	91	84	79	95	88	82	77	84	79	75	79	75	72	76	72	69	67				
3	91	81	73	67	88	79	72	66	75	69	64	71	66	62	68	64	60	58				
4	84	73	64	58	81	71	63	57	68	61	56	64	59	54	62	57	53	51				
5	78	66	57	51	75	64	56	51	61	55	49	59	53	48	56	51	47	45				
6	72	60	51	45	70	59	51	45	56	49	44	54	48	43	52	46	42	40				
7	67	55	47	41	65	54	46	41	52	45	40	50	44	39	48	42	38	36				
8	63	51	43	37	61	50	42	37	48	41	36	46	40	36	44	39	35	33				
9	59	47	39	34	58	46	39	34	44	38	33	43	37	33	41	36	32	30				
10	56	44	36	31	54	43	36	31	41	35	31	40	34	30	39	34	30	28				

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	13850	13850	13850
5°	13921	12729	12181
10°	13902	10914	9451
15°	13896	8902	7083
20°	13851	7092	5301
25°	13725	5557	4208
30°	13437	4498	3589
35°	12874	3807	3264
40°	11908	3361	3090
45°	10588	3074	2994
50°	8969	2829	2828
55°	7368	2563	2583
60°	5891	2255	2266
65°	4573	1979	1972
70°	3552	1751	1744
75°	2746	1574	1589
80°	1940	1440	1477
85°	1079	1342	1417



TEST NUMBER: P566157

CATALOG NUMBER: 4SNX-22SL-LN-UNV-L950-CD

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	113.9	5.6
10°-20°	267.1	13.0
20°-30°	317.0	15.5
30°-40°	319.0	15.6
40°-50°	296.5	14.5
50°-60°	244.1	11.9
60°-70°	172.0	8.4
70°-80°	112.4	5.5
80°-90°	71.7	3.5
90°-100°	47.1	2.3
100°-110°	31.9	1.6
110°-120°	21.9	1.1
120°-130°	15.1	0.7
130°-140°	10.2	0.5
140°-150°	6.3	0.3
150°-160°	3.3	0.2
160°-170°	1.2	0.1
170°-180°	0.2	0.0
0°-30°	698.0	34.0
0°-40°	1017.0	49.6
0°-60°	1557.6	75.9
0°-90°	1913.8	93.3
90°-120°	100.9	4.9
90°-150°	132.5	6.5
90°-180°	137.0	6.7
0°-180°	2050.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1287	1287	1287	1287	1287	
5°	1293	1276	1230	1206	1193	123
15°	1261	1126	906	792	749	356
25°	1178	871	577	485	464	542
35°	1008	589	391	366	364	627
45°	724	388	303	319	328	556
55°	416	255	234	260	269	376
65°	196	154	161	182	188	198
75°	76	80	109	128	133	83
85°	13	36	73	95	99	16
90°	0	25	59	81	84	1
95°	0	18	49	68	71	0
105°	0	13	33	47	52	0
115°	1	11	24	34	36	1
125°	1	9	19	25	27	1
135°	1	8	15	19	20	1
145°	1	5	11	15	16	1
155°	1	4	8	11	12	1
165°	1	2	4	5	6	0
175°	2	2	2	2	1	0
180°	1	1	1	1	1	



TEST NUMBER: P566157

CATALOG NUMBER: 4SNX-22SL-LN-UNV-L950-CD

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1286.7	1286.7	1286.7	1286.7	1286.7
1°	1297.4	1292.0	1278.1	1287.7	1285.6
2°	1296.3	1291.0	1274.8	1279.1	1271.6
3°	1295.3	1287.7	1263.0	1261.9	1251.2
4°	1294.2	1282.4	1248.0	1235.1	1226.5
5°	1293.1	1275.9	1229.7	1206.0	1193.1
6°	1292.0	1268.4	1206.0	1170.6	1152.3
7°	1289.9	1256.6	1181.3	1132.9	1109.3
8°	1287.7	1245.8	1150.1	1092.1	1063.1
9°	1285.6	1231.8	1119.0	1048.0	1013.6
10°	1281.3	1217.9	1086.7	1002.9	966.3
11°	1279.1	1201.7	1055.6	959.9	916.9
12°	1274.8	1184.5	1022.2	914.7	877.1
13°	1270.5	1166.3	981.4	876.0	830.9
14°	1266.2	1146.9	945.9	833.0	791.1
15°	1260.9	1126.5	906.1	792.2	749.2
16°	1255.5	1102.8	870.7	750.3	705.1
17°	1250.1	1080.3	837.3	711.6	670.7
18°	1243.7	1057.7	798.6	674.0	634.2
19°	1235.1	1031.9	767.5	639.6	603.0
20°	1227.5	1008.3	732.0	607.3	575.1
21°	1218.9	979.2	696.5	577.2	545.0
22.5°	1206.0	938.4	651.4	539.6	509.5
23°	1199.6	926.6	633.1	525.6	499.8
24°	1191.0	895.4	603.0	504.1	478.3
25°	1178.1	870.7	577.2	484.8	464.4
26°	1166.3	840.6	551.4	467.6	447.2
27°	1154.4	811.5	528.9	449.3	432.1
28°	1139.4	781.5	504.1	434.3	419.2
29°	1123.3	753.5	483.7	421.4	409.5
30°	1107.1	722.3	466.5	409.5	399.9
32.5°	1062.0	653.5	422.4	387.0	380.5
35°	1008.3	589.0	391.3	366.5	364.4
37.5°	948.1	529.9	363.3	350.4	352.6
40°	877.1	476.2	339.7	338.6	342.9
42.5°	801.9	430.0	321.4	328.9	335.4
45°	724.5	388.0	303.1	319.2	327.8
47.5°	643.9	351.5	287.0	307.4	317.1
50°	562.2	316.0	269.8	293.4	303.1
52.5°	489.1	284.8	252.6	277.3	288.1
55°	416.0	254.8	234.3	260.1	268.7
57.5°	352.6	226.8	215.0	240.8	247.2
60°	293.4	199.9	195.6	219.3	226.8
62.5°	239.7	176.3	177.4	199.9	207.5
65°	195.6	153.7	161.2	181.7	188.1



TEST NUMBER: P566157

CATALOG NUMBER: 4SNX-22SL-LN-UNV-L950-CD

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
67.5°	159.1	132.2	145.1	166.6	172.0
70°	125.8	112.9	132.2	151.6	156.9
72.5°	100.0	95.7	119.3	139.7	144.0
75°	76.3	79.5	108.6	127.9	133.3
77.5°	54.8	66.6	97.8	118.2	122.5
80°	38.7	54.8	89.2	109.6	113.9
82.5°	24.7	45.1	80.6	102.1	106.4
85°	12.9	36.5	73.1	94.6	98.9
87.5°	5.4	30.1	65.6	87.1	91.4
90°	0.0	24.7	59.1	80.6	83.8
92.5°	0.0	21.5	53.7	74.2	77.4
95°	0.0	18.3	49.4	67.7	70.9
97.5°	0.0	17.2	44.1	62.3	65.6
100°	0.0	15.0	39.8	57.0	61.3
102.5°	0.0	14.0	36.5	51.6	55.9
105°	0.0	12.9	33.3	47.3	51.6
107.5°	0.0	11.8	31.2	44.1	47.3
110°	0.0	11.8	27.9	40.8	44.1
112.5°	1.1	10.7	25.8	36.5	39.8
115°	1.1	10.7	23.6	34.4	36.5
117.5°	1.1	10.7	22.6	31.2	33.3
120°	1.1	9.7	21.5	29.0	31.2
122.5°	1.1	9.7	20.4	26.9	27.9
125°	1.1	8.6	19.3	24.7	26.9
127.5°	1.1	8.6	18.3	23.6	24.7
130°	1.1	8.6	17.2	21.5	23.6
132.5°	1.1	7.5	16.1	20.4	21.5
135°	1.1	7.5	15.0	19.3	20.4
137.5°	1.1	6.4	14.0	18.3	19.3
140°	1.1	6.4	12.9	17.2	18.3
142.5°	1.1	5.4	11.8	16.1	17.2
145°	1.1	5.4	10.7	15.0	16.1
147.5°	1.1	5.4	9.7	14.0	15.0
150°	1.1	4.3	8.6	12.9	14.0
152.5°	1.1	4.3	7.5	11.8	12.9
155°	1.1	4.3	7.5	10.7	11.8
157.5°	1.1	3.2	6.4	8.6	10.7
160°	1.1	3.2	5.4	7.5	9.7
162.5°	1.1	3.2	5.4	6.4	7.5
165°	1.1	2.1	4.3	5.4	6.4
167.5°	1.1	2.1	3.2	4.3	5.4
170°	1.1	2.1	3.2	3.2	4.3
172.5°	1.1	2.1	2.1	2.1	2.1
175°	2.1	2.1	2.1	2.1	1.1
177.5°	2.1	2.1	2.1	1.1	1.1



TEST NUMBER: P566157

CATALOG NUMBER: 4SNX-22SL-LN-UNV-L950-CD

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
180°	1.1	1.1	1.1	1.1	1.1

(END OF REPORT)